

Application No.: 10/676,060

Docket No.: IIW-032RCE

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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fuel cell comprising:

a plurality of cells;

a plurality of separators, wherein two adjacent separators sandwich one of the plurality of cells, and each of the plurality of separators has a terminal protruding from one end of the corresponding separator, the plurality of separators are stacked such that all the terminals are on a same side of a fuel cell stack and protruding from the same side of the fuel cell stack;

a fuel box enclosing the plurality of cells and the plurality of separators, the fuel box includes one or more openings to allow the terminals from the plurality of separators to protrude outside the fuel box;

a processing circuit outside of the fuel box processing an electrical output signal of each of the plurality of cells composing the fuel cell stack;

a connector outside of the fuel box connecting said processing circuit with the plurality of terminals from the plurality of separators, wherein the connector includes a plurality of slots enclosing the terminals; and

a casing enclosing said processing circuit and said connector.

2. (Withdrawn) A fuel cell, comprising

a plurality of separators being stacked and a terminal extending from one end of each separator wherein the terminals provided with said plurality of separators are separated into a plurality of terminal clusters and the terminal clusters are provided on a first side of a fuel cell stack; and

a plurality of connector modules having a same shape, each of the plurality of connector modules has a connector portion with a unified connector that connects with each terminal in one of the plurality of terminal clusters, and a main body portion having a smaller width than the connector portion, wherein the plurality of connector modules are positioned to be reversely directed at each other on the first side of the fuel cell stack.

3. (Withdrawn) A fuel cell comprising:

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a fuel cell stack including a plurality of clusters of cells, each of said plurality of clusters of cells has a plurality of cells, wherein the plurality of clusters of cells are stacked in a stacked direction;

a plurality of separators, wherein each of the plurality of separators has a terminal protruding from one end of the corresponding separator and two adjacent separators sandwich one of the plurality of cells;

one or more sheet form bodies separate and distinct from the plurality of separators, wherein each of the one or more sheet form bodies is inserted in between two adjacent clusters of cells; and

a connector component provided with each of said plurality of clusters of cells and having a connector connected with the terminals of the separators,

wherein said connector component is fixed on one of the one or more sheet form bodies.

4. (Withdrawn) The fuel cell of claim 2, wherein the terminal protrudes from the one end of each separator.

5. (Withdrawn) The fuel cell of claim 4, wherein the unified connector includes a plurality of slots enclosing the terminals.